

# EUROPEAN PATENT OFFICE

## Patent Abstracts f Japan

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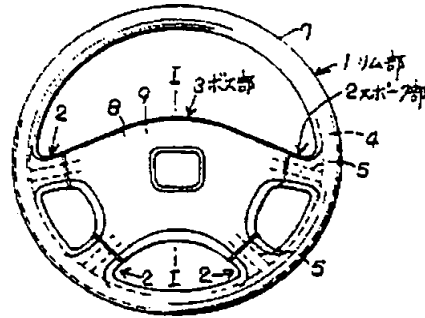
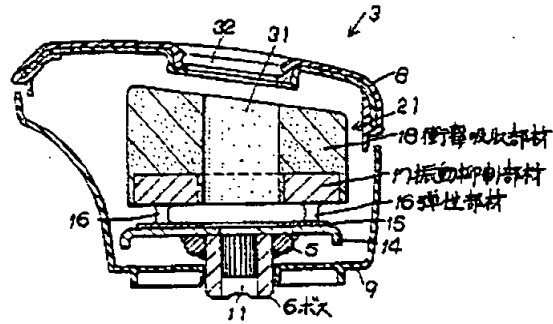
APPLICATION DATE : 27-07-89  
APPLICATION NUMBER : 01195210

APPLICANT : NIPPON PLAST CO LTD;

INVENTOR : SHIROUCHI HIDEKAZU;

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TITLE : STEERING WHEEL



**ABSTRACT :** PURPOSE: To reduce the weight of a vibration suppressing member by the weight portion of an impact absorbing member by installing the impact absorbing member consisting of a foamed body for absorbing impact which serves as a vibration suppressing weight member onto the vibration suppressing member.

**CONSTITUTION:** A vibration suppressing member 17 having a large weight and an impact absorbing member 18 are arranged in elastically free vibration for a boss 6 by a plurality of elastic legs 16. Therefore, the vibration suppressing member 17 and the impact suppressing member 18 suppress the vibration transmitted through a steering shaft. Further, the impact absorbing member 18 consisting of a foamed body made of the hard foamed urethane, etc. on the vibration suppressing member 17 is deformed by a pressure. Therefore, the impact applied onto a human body in the collision of an automobile is softened. Therefore, the weight of the vibration suppressing member 17 can be reduced by the weight portion of the impact absorbing member 18, and the thickness of the plate-shaped vibration suppressing member 17 can be reduced.

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